



REVIEW ARTICLE

History of Asian Federation of Societies for Ultrasound in Medicine and Biology: Update in 2012[†]



Byung Ihn Choi

Department of Radiology, Seoul National University Hospital, 101 Daehak-ro, Jongno-gu, Seoul 110-744, South Korea

Received 30 January, 2013; accepted 21 February, 2013
Available online 18 June 2013

KEY WORDS

administration,
AFSUMB,
education,
history

The history and administration system of the Asian Federation of Societies for Ultrasound in Medicine and Biology (AFSUMB) are described briefly with a focus on academic activity, including congress and education. AFSUMB is the second largest regional federation affiliated with the World Federation for Ultrasound in Medicine and Biology (WFUMB), consisting of approximately 18,000 members from 15 countries in Asia. A further increase in the numbers of members and affiliated societies is expected with the advancement of ultrasound technology and the distribution of ultrasound equipment and knowledge. AFSUMB has a responsibility in Asia for matters of interdisciplinary collaboration in the field of ultrasound in medicine and biology, and has successfully represented Asia within WFUMB.

© 2013, Elsevier Taiwan LLC and the Chinese Taipei Society of Ultrasound in Medicine.

Open access under [CC BY-NC-ND license](http://creativecommons.org/licenses/by-nc-nd/3.0/).

Introduction

The Asian Federation of Societies for Ultrasound in Medicine and Biology (AFSUMB) is the second largest federation in the World Federation for Ultrasound in Medicine and Biology (WFUMB), consisting of 18,023 members from 15

countries in Asia (Table 1). A few new societies, such as Vietnam, are expected to join the federation in the near future.

Two and a half decades have now elapsed since AFSUMB was established. The pioneers establishing AFSUMB are now retiring one by one, and the leadership is being taken over by members of younger generations. With the lapse of time, the process of how the AFSUMB was established, as well as the original aim and spirit of AFSUMB, has not always been understood correctly, even by the young leaders.

[†] Presented in part at AFSUMB 2012 in Bali, Indonesia on November 8, 2012.

E-mail address: bichoi@snu.ac.kr.

Table 1 Affiliated societies and membership of Asian Federation of Societies for Ultrasound in Medicine and Biology (AFSUMB).

Affiliated society	Office	Members in 2012
Japan Society of Ultrasonics in Medicine (JSUM)	Tokyo	8033
Chinese Taipei Society of Ultrasound in Medicine (CTSUM)	Taipei	5026
Korean Society of Ultrasound in Medicine (KSUM)	Seoul	2413
Society of Ultrasound in Medicine of Chinese Medical Association (SUM/CHA)	Beijing	655
Medical Ultrasound Society of Singapore (MUSS)	Singapore	68
Medical Ultrasonic Society of Thailand (MUST)	Bangkok	250
Malaysian Society of Ultrasound in Medicine (MSUM)	Kuala Lumpur	247
Indonesian Society of Ultrasound in Medicine (ISUM)	Jakarta	300
Indian Federation of Ultrasound in Medicine and Biology (IFUMB)	Mumbai	394
Ultrasound Society of Pakistan (USP)	Karachi	134
Bangladesh Society of Ultrasonography (BSU)	Dhaka	165
Philippine Society of Ultrasound in Clinical Medicine (PSUCM)	Manila	210
Hong Kong Society of Ultrasound in Medicine (HKSUM)	Hong Kong	44
Mongolian Society of Diagnostic Ultrasound (MSDU)	Ulaanbaatar	50
Cambodian Society of Ultrasound in Medicine (CSUM)	Phnom Penh	34
	Total	18,023

In 2012, the 10th Congress of AFSUMB was held in Bali, Indonesia, and Congress President, Dr Daniel Makes, suggested to the author the congress lecture titled AFSUMB; past, present and future. In addition, the moderator of this lecture session, Dr Cheng-Wen Chiang (Immediate Past President of AFSUMB), asked the author to contribute this lecture to the official journal of AFSUMB, *Journal of Medical Ultrasound*, as a review article.

Foundation and early evolution

The WFUMB is a federation organized by six federations from around the world, consisting of 50,000 members [1]. The basic concept and name of WFUMB, through which it would unite each geographic federation to be established throughout the five continents of the world, was approved in 1973, and the first WFUMB Congress was successfully held in San Francisco in 1976 (WFUMB '76), hosted by the American Institute of Ultrasound in Medicine (AIUM) [2].

The only geographic federation established in the beginning of WFUMB was the European Federation of Societies for Ultrasound in Medicine and Biology (EFSUMB) [3]. For that reason, there was an urgent requirement to organize geographic federations in other areas. In the early 1980s, ultrasound (US) societies existed in Japan, China, Korea, Indonesia, Malaysia, and India. In 1985, Professor Toshio Wagai in Japan started to form AFSUMB, and had a preparatory committee meeting to establish the organization, inviting representatives from five national societies including Korea, China, Malaysia, Indonesia, and

India to be official guests of the meeting. In 1987, Professor Morimichi Fukuda (the first AFSUMB Secretary and the seventh WFUMB President) presided over the first AFSUMB Administrative Council Meeting to declare formally its establishment. At the same time, it was decided that the first AFSUMB Congress (AFSUMB '87) would be held in Tokyo in 1987. Professor Wagai was appointed as the first AFSUMB President and the Congress President, while Professor Fukuda and Professor Watanabe were the first AFSUMB Secretary and Treasurer, respectively [2]. The logo of AFSUMB was created in 1987, and was revised in 2006 (Fig. 1).

Administration

All activities of AFSUMB rely upon annual fees from the 15 affiliated societies. The fee is 1.5 US\$ per member annually. AFSUMB collects an annual fee of 3 US\$ from each affiliated national society, of which half is transferred to WFUMB. The total membership of AFSUMB is nearly 18,000, therefore, the total annual income of AFSUMB is a little more than 27,000 US\$, provided all of the fees are paid on time. Therefore, AFSUMB is not rich. In recent years, AFSUMB has been very much engaged in important projects such as education, thus, budgetary demand is critical.

The administration of AFSUMB is carried out by 17 members, including seven officers (President, President-elect, Vice-President I and II, Secretary, Treasurer, Immediate Past President), six councilors, five co-opted



Fig. 1 Logo of Asian Federation of Societies for Ultrasound in Medicine and Biology (AFSUMB). (A) Original logo; (B) revised logo.

Table 2 Officers of AFSUMB.

	President	Secretary	Treasurer	Vice-President I	Vice-President II
1987	Toshio Wagai	Morimichi Fukuda	Hiroki Watanabe	Chu-Wan Kim	
1989	Willyarto Wibisono	Hiroki Watanabe	K Nakayama	Hsi Yao Chen	
1992	Chu-Wan Kim	K Nakayama	Byung Ihn Choi	Hiroki Watanabe	
1995	Hsi Yao Chen	Yoshidide Chiba	Byung Ihn Choi	Daniel Makes	
1998	Hiroki Watanabe	Byung Ihn Choi	Shoichi Senda	Fon-Jon Hsieh	
2001	Kittipong Vairojanavong	Shoichi Senda	Cheng-Wen Chiang	Masunori Matsuzaki	
2004	Byung Ihn Choi	Masatoshi Kudo	Seung Hyup Kim	Shoichi Senda	
2007	Cheng-Wen Chiang	Seung Hyup Kim	Yi-Hong Chou	Masatoshi Kudo	Chander Vanjani
2010	Nobuyuki Taniguchi	Yi-Hong Chou	Masatoshi Kudo	CV Vanjani	Harjanto Sidharta

AFSUMB = Asian Federation of Societies for Ultrasound in Medicine and Biology.

councilors, Website/Newsletter editor, and Journal editor. Co-opted councilors and the two editors have no voting rights. The officers from 1987 to 2012 are listed in Table 2.

Officers are elected at the General Assembly, which was held at the Congress every 3 years until 2010, and every 2 years after that. However, voting is held by mail ballot from the affiliated societies prior to the General Assembly. The President-elect is appointed as the next President without further voting. Vice-President I will take over the responsibilities of the President if he or she has an accident. Vice-President II will substitute for the Secretary or the Treasurer under the same circumstances.

With regard to councilors, any society having members that comprise >10% of the entire membership of AFSUMB can appoint one councilor without voting. Three large affiliated societies, namely, Japan society of Ultrasonics in Medicine (JSUM), Chinese Taipei Society of Ultrasound in Medicine (CTSUM), and Korean Society of Ultrasound in Medicine (KSUM) make up >10% of the total membership; thus, they delegate one councilor to the council. The other three councilor positions are filled by voting among the small societies having <10% of the membership. Co-opted Councilors are appointed by the President to rectify any imbalance among the elected members, in terms of their specialties or between societies. The administrators are thus appointed on the basis of each society, but are requested to dedicate their activities only to the benefit of AFSUMB itself, independently from their own societies. The term for the administrators is 2 years, except for the Journal editor.

The current total number of officers and councilors of AFSUMB is 19. The officers, councilors and editors for the present term (2012–2014) are listed in Table 3.

The Administrative Council Meeting of AFSUMB is held once a year (Fig. 2).

Congress

The AFSUMB congresses started in Japan (Fig. 3) have been successfully held every 3 years, following the system of WFUMB, although the Second Congress (AFSUMB '89) was planned 2 years after the First Congress. The Second Congress was held in Bali, Indonesia, hosted by Indonesian Society of Ultrasound in Medicine (ISUM). The Third Congress was held in Seoul and hosted by KSUM. This congress was a record breaking event with 1800

participants and was a turning point in the history of AFSUMB congresses in terms of the quantity and diversity. The Fourth Congress was held in Beijing in 1995 by the Society of Ultrasound in Medicine of Chinese Medical Association (SUM/CMA); the Sixth Congress in Taipei in 1998 by CTSUM; and the Seventh Congress in Kuala Lumpur by the Malaysian Society of Ultrasound in Medicine (MSUM) in 2001. From 2001, The Congress President and Society President were separated.

Table 3 Officers and Councilors of AFSUMB from 2012 to 2014.

President	Dr. Seung Hyup Kim (KSUM)
President-Elect	Dr. Yi-Hong Chou (CTSUM)
Vice-President 1	Dr. H. Sidharta (ISUM)
Vice-President 2	Tsang-Tang Hsieh (CTSUM)
Immediate Past-President	Dr. Nobuyuki Taniguchi (JSUM)
Secretary	Dr. Masatoshi Kudo (JSUM)
Treasurer	Dr. Jae Young Lee (KSUM)
Administrative Councilors	Iwaki Akiyama (JSUM)
	Ching-Chang Hsieh (CTSUM)
	Won Jae Lee (KSUM)
	Chander P. Lulla (IFUMB)
	Kanu Bala (BSU)
	Yun Zhang (SUM/CMA)
Co-opted Councilors	Dr. Wilaiporn Bhothisuwan (MUST)
	Dr. Sodov Sonin (MSDU)
	Dr. Musarrat Hasan (USP)
	TP Baskaran (MSUM)
	Kowk Yin Leung (HKSUM)
Journal Editor	San-Kan Lee (CTSUM)

AFSUMB = Asian Federation of Societies for Ultrasound in Medicine and Biology; BSU = Bangladesh Society of Ultrasonography; CTSUM = Chinese Taipei Society of Ultrasound in Medicine; HKSUM = Hong Kong Society of Ultrasound in Medicine; IFUMB = Indian Federation of Ultrasound in Medicine and Biology; ISUM = Indonesian Society of Ultrasound in Medicine; JSUM = Japan Society of Ultrasonics in Medicine; KSUM = Korean Society of Ultrasound in Medicine; MSDU = Mongolian Society of Diagnostic Ultrasound; MSUM = Malaysian Society of Ultrasound in Medicine; MUST = Medical Ultrasonic Society of Thailand; SUM/CMA = Society of Ultrasound in Medicine of Chinese Medical Association; USP = Ultrasound Society of Pakistan.



Fig. 2 Administrative council meeting of Asian Federation of Societies for Ultrasound in Medicine and Biology (AFSUMB). (A) Officers and Councilors of AFSUMB and World Federation for Ultrasound in Medicine and Biology (WFUMB) during AFSUMB 1998 in Taipei. (B) Officers and Councilors of AFSUMB and WFUMB in 2004 in Utsunomiya. (C) Officers and Councilors of AFSUMB in 2007 in Bangkok. (D) Officers and Councilors of AFSUMB in 2008 in New Delhi.



Fig. 3 Opening ceremony of the First Congress of Asian Federation of Societies for Ultrasound in Medicine and Biology (AFSUMB) held in Tokyo in 1987 in conjunction with the Annual Meeting of the Japan Society of Ultrasonics in Medicine (JSUM). First AFSUMB President was Professor Toshio Wagai and JSUM Congress President was Professor M. Takeuchi. National representatives were Professor C.W. Kim from Korea, Professor Morimichi Fukuda from Japan, Dr. W. Wibisono from Indonesia, Dr V.R. Sing from India, and Dr Marvin Ziskin from USA.

The 2004 AFSUMB Congress was held in Utsunomiya by JSUM again, and Congress President was Professor Kouichi Itoh. In 2007, the Medical Ultrasonic Society of Thailand (MUST) hosted the Congress in Bangkok, and the AFSUMB Congress was held in New Delhi in 2010 by the Indian Federation of Ultrasound in Medicine and Biology (IFUMB), and Congress President was Dr C.V. Vanjani. From 2010, the Congress of AFSUMB became a biennial event. The 10th Congress of AFSUMB was held in Bali, in 2012. Congress President was Dr Daniel Makes of ISUM. The venue, host society and name of the President of each congress are listed in Table 4.

The proceedings and abstract books consist of various lecture sessions including congress lecture, plenary lecture, refresher course, categorical course, scientific paper presentation sessions, scientific poster session, hands-on session, and technical exhibition (Fig. 4).

Education

The symbolic program of education for AFSUMB is the congress that is held every 2 years. AFSUMB has various education programs including AFSUMB

Table 4 AFSUMB congresses.

Congress	Venue	Host society	Congress President
AFSUMB '87	Tokyo	JSUM	Toshio Wagai
AFSUMB '89	Bali	ISUM	Willyarto Wibisono
AFSUMB '92	Seoul	KSUM	Chu-Wan Kim
AFSUMB '95	Beijing	SUM/CMA	Jian-Fan Ren
AFSUMB '98	Taipei	CTSUM	His-Yao Chen
AFSUMB 2001	Kuala Lumpur	MSUM	S. Raman
AFSUMB 2004	Utsunomiya	JSUM	Kouichi Itoh
AFSUMB 2007	Bangkok	MUST	W Bhothisuwan
AFSUMB 2010	New Delhi	IFUMB	CV Vanjani
AFSUMB 2012	Bali	ISUM	Daniel Makes
AFSUMB 2014	Kuala Lumpur	MSUM	

AFSUMB = Asian Federation of Societies for Ultrasound in Medicine and Biology; CTSUM = Chinese Taipei Society of Ultrasound in Medicine; IFUMB = Indian Federation of Ultrasound in Medicine and Biology; ISUM = Indonesian Society of Ultrasound in Medicine; JSUM = Japan Society of Ultrasonics in Medicine; KSUM = Korean Society of Ultrasound in Medicine; MSUM = Malaysian Society of Ultrasound in Medicine; MUST = Medical Ultrasonic Society of Thailand; SUM/CMA = Society of Ultrasound in Medicine of Chinese Medical Association.



Fig. 4 Abstract book of AFSUMB congresses. (A) 1992 Seoul, KSUM; (B) 1995 Beijing, SUM/CMA; (C) 1998 Taipei, CTSUM; (D) 2001 Kuala Lumpur, MSUM; (E) 2004 Utsunomiya, JSUM; (F) 2007 Thailand, MUST; (G) 2010 New Delhi, IFUMB; (H) 2012 Bali, ISUM., AFSUMB = Asian Federation of Societies for Ultrasound in Medicine and Biology; CTSUM = Chinese Taipei Society of Ultrasound in Medicine; IFUMB = Indian Federation of Ultrasound in Medicine and Biology; ISUM = Indonesian Society of Ultrasound in Medicine; JSUM = Japan Society of Ultrasonics in Medicine; KSUM = Korean Society of Ultrasound in Medicine; MSUM = Malaysian Society of Ultrasound in Medicine; MUST = Medical Ultrasonic Society of Thailand; SUM/CMA = Society of Ultrasound in Medicine of Chinese Medical Association.

Education Program, Regional Education Project sponsored by WFUMB, WFUMB Center of Excellence (COE) in Asia, and scholarship. AFSUMB publishes the official journal, *Journal of Medical Ultrasound*, in conjunction with CTSUM, and publishes an electronic newsletter on its website. AFSUMB has seven committees covering various area of interest in the field of US.

The US Education Program of AFSUMB was started in 2002. The First Education Workshop was held in Phnom Penh, Cambodia, in 2002, thereafter, AFSUMB had one program every year in different countries including China, Philippines, India, Indonesia, Mongolia, and Hong Kong (Fig. 5). The AFSUMB Education Program is discussed and developed by Education Committee Members of the Administrative Council of AFSUMB. The current cChairperson of the Education Committee is Dr Kanu Bala from Bangladesh.

Education is also one of the most important activities of WFUMB. There are three Regional Education Projects in

WFUMB: African Project, Asian Project, and Latin American Project. The Asian Education Project sponsored by WFUMB was developed by Dr Kittipong Vairojanavong from Thailand when he was Vice-President I of WFUMB. The objective of this project is to provide US training, knowledge, and techniques of scanning and interpretation to those who will become the trainers. This program is a 3-day course covering every US field with several WFUMB lecturers.

During the past 9 years, seven Asian Education Projects were carried out in different Asian countries including Bangladesh, Philippines, China, Indonesia, India, Mongolia, and Thailand. The First Asian Education Project was held in Dhaka, Bangladesh in 2002. Six faculty members from WFUMB presented 28 lectures covering all organs of the body. Thirty-seven participants received a certificate of attendance. All attendees were very enthusiastic and sincere to learn about US and its techniques. The Second Education Project was held in Manila, Philippines in 2004. Six faculty members including Dr B.I. Choi, Dr Kittipong Vairojanavong, and Dr Masatoshi Kudo from WFUMB presented 22 topics covering the abdomen, obstetrics and gynecology, the musculoskeletal system, and small part (superficial organs including breast). Dr Corazon Yabes Almirante, president of the Philippine Society of Ultrasound in Clinical Medicine (PSUCM), gave a welcome message at the opening ceremony. WFUMB lecturers trained candidates of trainers of Philippine in Hands on session. Organizers and lecturers (Fig. 6A) awarded a certificate of attendance to participants at the closing ceremony of this workshop. The Third Education Project was held in Beijing, China. Five WFUMB faculty members attended and presented 30 lectures with hands-on scanning. The meeting was successful with 350 enthusiastic participants (Fig. 6B). The Fourth Education Project was held in Jakarta, Indonesia in 2006. Five WFUMB lecturers attended, and 30 topics were presented with hands-on scanning. A total of 312 members participated in this workshop. The Fifth Education Project was held in Agra, India, in 2008. Three WFUMB lecturers attended, and 30 topics were presented with hands-on scanning. The number of participants (500) was the largest in the history of the Asian Education Project (Fig. 6C). The Sixth Education Project was held in 2008 in Ulaanbaatar, Mongolia. Dr Sodov Sonin was the local organizer. Five faculties attended and presented 25 topics. There were 209 members who attended this workshop, with great success. The Seventh Education Project was held in 2011, in Bangkok, Thailand, and organized by the President of MUST, Dr Wilaiporn Bhothisuwan. Three faculties of WFUMB participated and 29 topics including hands-on scanning were presented by WFUMB speakers and others. More than 200 participants attended. Prince Pusan of Thailand, a radiologist, participated in the organizing committee and attended the meeting. Participants were enthusiastic. Prince Pusan awarded a certificate of appreciation to WFUMB lecturers.

WFUMB COE in Asia

The basic concept and principle of the WFUMB COE, that is, the WFUMB COE agreement, was prepared by Professor



Fig. 5 Ultrasound education program of Asian Federation of Societies for Ultrasound in Medicine and Biology (AFSUMB). (A) Seventh AFSUMB Workshop was held in Jakarta in 2009, hosted by the Indonesian Society of Ultrasound in Medicine (ISUM). This meeting was very successful with 200 participants. (B) In 2012, the 10th AFSUMB Workshop was held in Hong Kong, and was also successful.



Fig. 6 Asian education projects of World Federation for Ultrasound in Medicine and Biology (WFUMB). (A) Manila Project in 2004; (B) Beijing Project in 2004; (C) Agra Project in 2008; (D) Bangkok Project in 2011.

Hiroki Watanabe, Past President of WFUMB and AFSUMB, in 2003, and was approved by the Administrative Council of WFUMB in 2004. The mission of WFUMB COE is to provide education in medical US in developing countries; to grant recognition to participants after completion of a course; and to accumulate US-related reference materials and information.

WFUMB COE was established by agreement between WFUMB and societies affiliated to WFUMB. The initial term is 3 years with renewal every 2 years. Renewal should be approved by WFUMB COE Advisory Board and WFUMB Administrative Council.

In terms of funding, for the first 5 years, annual grant is up to 5000 US\$ per year for administrative and travel costs associated with COE activities. After 5 years, the COE will be financially independent without annual funding.

WFUMB COE is located in Asia, Africa, Latin America, and Eastern Europe. The COE Secretariat is appointed by a WFUMB affiliated society, and the Secretary is appointed by a local society.

The responsibility of COE is developing training programs, financial administration, and reporting activity every year to WFUMB. The responsibility of WFUMB is approval of the name, recommendation of the curriculum, recognition of the budget, recommendation of teachers, examination and accreditation of the trainers, and moderation of World Centers. Regarding the responsibilities of the sponsoring society, WFUMB COE should be located in a developing country, and is well established and stable

society, have an independent office, and have experience in education and the ability to attract trainees from their own and surrounding countries.

Currently, there are five WFUMB COEs, Timisoara in Romania, Kampala in Uganda, Dhaka in Bangladesh, Caracas in Venezuela, and Jakarta in Indonesia.

WFUMB COE in Asia was established in Dhaka, Bangladesh on February 24, 2004 by the Bangladesh Society of Ultrasonography (BSU) and the Secretary of WFUMB COE was Dr. Kanu Bala (Fig. 7A). The First Workshop was run on February 24–26, 2004, and successful workshops have been organized annually for nine consecutive years.

According to the agreement of WFUMB COE, every COE should be re-contracted 3 years after its establishment. Therefore, the first renewal contract was made in 2007 in Dhaka, Bangladesh.

The second WFUMB COE in Asia was established in Jakarta, Indonesia, in 2011 by ISUM and WFUMB. The Secretary of the COE is Dr Daniel Makes. The First Workshop was run on February 12, 2011. The subject of this workshop was hepatobiliary and pancreatic US. Two WFUMB faculties and one local faculty presented nine lectures and two sessions of hands-on scanning. There were >200 participants. The Second Workshop was held in Jakarta in conjunction with the 19th ISUM and Seventh Annual Meeting of Indonesian Society of Oncologic Imaging (ISOI) at the Novotel Manggadua Hotel on April 21–22, 2012. The subject of the workshop was vascular and musculoskeletal US. There were 18 didactic



Fig. 7 World Federation for Ultrasound in Medicine and Biology (WFUMB) Center of Excellence in Asia. (A) Dhaka, Bangladesh; (B) Jakarta, Indonesia.

lectures, and four workshops. Two WFUMB and five local faculties presented 18 lectures and four sessions of hands-on scanning. There were 237 participants (Fig. 7B).

Summary

AFSUMB has seven committees including constitution, nomination, education, finance, publication, congress, history and archive. Among them, the education committee is the most important and active because AFSUMB tries to expand opportunities of education for its affiliated societies.

The interval between AFSUMB congresses was shortened from 3 years to 2 years after the 2010 New Delhi Congress. The next congress will be held in Kuala Lumpur, Malaysia in 2014.

AFSUMB tries to expand its education program, therefore, the Education Committee prepares guidelines for each course, including aims, course content, budget, and accreditation.

One example is the training for trainers program. The purpose of this program is to provide US knowledge, techniques, and interpretation skills to potential trainers for

diagnostic US in Asia. The expectation of the training for trainers program is that all participants will become good trainers. Doctors in the provincial regions will learn from the trainers how to perform US scanning properly and make accurate diagnoses, which will be ultimately be beneficial to people in their area. In addition, WFUMB is considering several new COEs in Asia in the near future, including Mongolia in 2013.

Since 1987, AFSUMB has remained responsible within Asia for matters of interdisciplinary collaboration in the field of diagnostic US and for safety of US in medical use, and has successfully represented Asia within the WFUMB. AFSUMB will be a harmonious, stable, and competent organization in the future because of the devotion and great efforts of its national delegates and Administrative Council members.

References

- [1] History of WFUMB. Available at: www.wfumb.org.
- [2] Watanabe H. History of WFUMB and AFSUMB. *J Med Ultrasound* 2001;9:167–75.
- [3] History of EFSUMB. Available at: www.efsumb.org.